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Mollusca from South East  
of King Island, Bass Strait

*by*

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# Mollusca from South East of King Island, Bass Strait

*By Charles J. Gabriel, Honorary Associate in Conchology,  
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It is not often an opportunity arises for the study of the deeper water mollusca — however, the raising of the cable between King Island and Stanley, North Tasmania, in February 1937, provided one. A break occurred in the Tasmania-Victoria cable near Elephant Shoal Reef four miles south east of King Island in seven and a half fathoms of water, and during the repairing process the Postmaster General's Department collected a large quantity of the adhering debris for the collections of the National Museum of Victoria. After careful treatment and sieving, more than 150 species of mollusca were obtained, including five previously unknown forms. Descriptions and figures of these new species are given in the following pages.

The lifting of the Bass Strait cable from Flinders, Victoria, some years previously provided numerous species bearing a considerable generic analogy, and it is predicted that systematic dredging in Bass Strait will prove the existence of many more species which merely await the collecting.

In this 1937 material, several forms appeared which are probably new, but with single specimens and others in a more or less fragmentary condition, it is considered advisable to postpone descriptions until further examples are obtained. These appear in the list as "species?".

The excellent illustrations accompanying this report will enable the forms to be readily identified, and I now take the opportunity of expressing my indebtedness to Mr. G. J. Browning of Heathmont, Victoria, for their careful preparation.

Three Groups are represented:

## *PELECYPODA*

Genera 27

species 37

## *GASTROPODA*

Genera 75

species 118

## *CREPIPODA*

Genera 2

species 4

## BRACHIOPODA

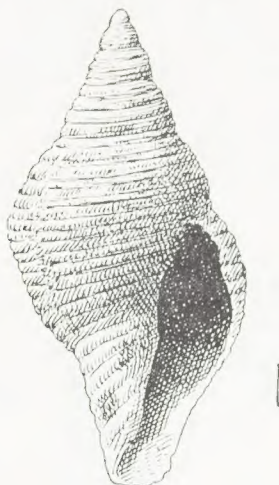
Genus 1

species 1

(placed here for convenience)

Five new species are herein described as follows, the types of which are in the National Museum of Victoria collection, Melbourne.

*Mitrithara macphersonae**Mitrithara bassiana**Cantharidus kingensis**Estea hoggartae**Dardanula difficilis*

*Mitrithara macphersonae* sp. nov.

(Fig. 1.)

Shell small, biconical, colour light-brown with a few scattered splashes of reddish-brown on both spire and body-whorl. Whorls  $5\frac{1}{2}$  including a whitish, microscopically granulated protoconch of about  $1\frac{1}{2}$  coils; spire-whorls flatly-rounded and sculptured with concentric lirae, five appearing on the penultimate, this ornament continuing on the last whorl which is very robust, with the spirals amounting to approximately 25. Close microscopic striae are discernible crossing the spirals and very narrow interstices. Sutures well impressed. Spire barely half the length of shell. Aperture through which the encircling hiraie are visible, elongately-ovate, rather widely open anteriorly; outer lip thin and a little incomplete, shining within. Columella slightly arcuate and a little thickened.

Size of Type.—Length, 5.02 mm.; breadth, 2.75 mm.

Observations.—Two specimens were obtained. A distinct species somewhat resembling the genotype *M. alba* Petterd, but may be easily separated by its more robustly-fusiform shape. I am pleased to associate the name of the Curator of Molluscs of The National Museum of Victoria, Miss J. H. Macpherson, M.Sc., with this interesting little species.

Reg. numbers, Type F. 16121, paratype F. 16122.



*Mitrithara bassiana* sp. nov.

(Fig. 2.)

Shell small, solid, elongate-oval, colour brown and lighter in an interrupted whitish band on the shoulder of whorls, with a second one appearing at the base. Whorls  $5\frac{1}{2}$  including a blunt protoconch of two coils which are apparently smooth but microscopically pitted. Sutures impressed. The sculpture consists of dense, spiral lirae, about twelve appearing on the penultimate and approximately thirty on the ultimate whorl. These and the very narrow interspaces are crossed by closely-set microscopic striae. The spire measures about half the length of shell. Aperture through which the ornament is seen ovate-elongate, and with a fairly wide anterior canal, outer lip thin, slightly fractured; columella a little arched.

Size of Type.—Length, 7.75 mm.; breadth, 3.48 mm.

Observations.—Two examples examined. A characteristic species bearing no approach to any southern Australian form.

Reg. Numbers.—Type F. 16123, paratype F. 16124.

*Cantharidus kingensis* sp. nov.

(Fig. 3.)

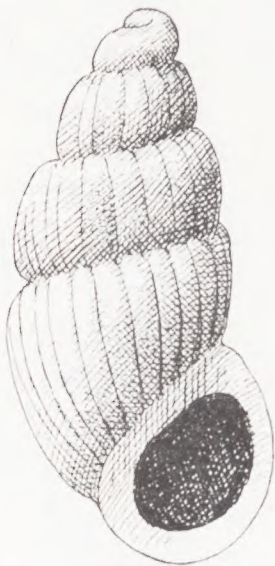
Shell minute, pyramidal, purple-rose, with a few whitish streaks crossing body-whorl just below the suture, a creamy-white apex of  $1\frac{1}{2}$  whorls the extremity of which is slightly granular developing into spiral lirae on approaching the first whorl. Whorls  $4\frac{1}{2}$  including protoconch, convex with sutures well impressed. On the penultimate whorl appears a white, feeble encircling cord situated at about the posterior third; two similar cords are evident on the body-whorl defining these areas the central one being slightly the narrowest; the posterior area forms a shoulder which is smooth, but below this will be seen four to five spiral incised lines crossing numerous, faint, irregular growth-lines. Aperture about half the length of shell, pyriform, outer lip thin, smooth within. A small umbilical chink appears, partly concealed by a somewhat calloused and slightly curved columella.

Size of Type.—Length, 2.27 mm.; breadth, 1.6 mm.

Observations.—A diminutive member of the genus which could possibly be passed for *Phasianella rosea* Angas of similar dimensions, but is immediately separated by the encircling cord — a feature entirely absent in that species. As regards the spiral cord, variation exists in the six examples obtained, that of the type and one paratype being similarly situated but in the remainder nearer the periphery.

Reg. Numbers.—Type F. 16125, paratype F. 16126.



*Estea hoggartae* sp. nov.

(Fig. 4.)

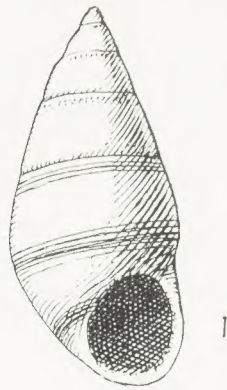
Shell small, solid, somewhat elongated, shining, cream-coloured slightly darker on the spire. Whorls 5, flatly-rounded; apex dome-shaped and microscopically granulated. Sculpture consisting of finely-striated flat radial ribs with an occasional one narrower than the rest, approximately twenty-five on the ultimate whorl, separated by narrow interstices. Aperture about one third the length of shell, peristome continuous, actual opening pyriform, outer lip slightly expanded.

Size of Type.—Length 3.42 mm.; breadth, 1.6 mm.

Observations.—Four specimens all bearing evidence probably of radula attack by some form of gasteropod mollusc. A distinctive little species easily recognized by its elongate form, flat whorls, well impressed sutures and polished surface; it could not be confused with any Southern Australian member of the genus. Named in honour of Miss P. Hoggart of The National Museum of Victoria, for her valued assistance in the sorting of minutae from this material.

Reg. Numbers.—Type F 16127, paratypes F 16128.



*Dardanula difficilis* sp. nov.

(Fig. 5.)

Shell minute, smooth, polished, somewhat pupaeform, deep-cream, brown on the apical whorls, the body-whorl showing three distinct unequally spaced chestnut colour-bands, one situated close to the suture, the second just below the periphery and the third near the base. Apex dome-shaped. Whorls 5, smooth, almost flat, with numerous radial microscopic striae as the only sculpture. Mouth approximately one third the length of shell, ovately-rounded, peristome entire, actual opening ovate, shining within; a faint umbilical chink is discernible, partly concealed by the expansion of the inner lip.

Size of Type.—Length, 2.38 mm.; breadth, 1.35 mm.

Observations.—Six specimens were discovered and, strangely enough, like the previous “Rissoid” *Estea hoggartae*, the type and most of the paratypes show signs of attack, probably by some predatory mollusc. This species bears a slight resemblance to *Dardanula aurantiocincta* May, but is immediately distinguished by its less angular shape, more ovate aperture and in the presence of the third, subsutural, colour-band. This banding on the body-whorl is a consistent feature, and provides a useful diagnostic character.

Reg. Numbers.—Type F 16129, paratypes F 16130.

GASTROPODA

Family HALIOTIDAE

*Haliotis* Linnaeus

*ruber* Leach, Zool. Misc., 1, 1814, p. 54, pl. 23.

Family SCISSURELLIDAE

*Scissurella* D'Orbigny

*australis* Hedley, Mem. Aust. Mus., IV, 1903, p. 329, fig. 63.

*Schismope* Jeffrey

*atkinsoni* Ten. Woods (*Scissurella*) P.R.S. Tas., 1876 (1877), p. 149.

*pulchra* Petterd Journ. of Conch., IV, 1884, p. 139, No. 17.

Family FISSURELLIDAE

*Tugalia* Gray, Dieffenbach's New Zealand

*cicatricosa* A. Adams (*Tugali*) P.Z.S. Lond., 1851 (1852), p. 89.

*Emarginula* Lamarck

*candida* A. Adams, P.Z.S. Lond., 1851, p. 85, No. 30.

*dilecta* A. Adams, P.Z.S. Lond., 1851, p. 85, No. 28.

Sp. ?.

*Hemitoma* Swainson

*subemarginata* Blainville (*Emarginata*) Dict. Sci. Nat., XIV, 1819, p. 382.

Family ACMAEIDAE

*Actinoleuca* Oliver

*calamus* Crosse and Fischer, (*Patella*) Journ. de Conch., 1864, p. 348.

Family TROCHIDAE

*Clanculus* Montfort

*alloysii* Ten. Woods, P.R.S. Tas., 1876, p. 155.

*plebejus* Philippi, (*Trochus*) Zeit. Malak., VIII, 1851, p. 41.

*Cantharidella* Pilsbry

*tiberiana* Crosse, (*Trochus*) Journ. de Conch., XI, 1863, p. 381, pl. 13, fig. 2.

*Calliostoma* Swainson

*armillata* Wood, (*Trochus*), Index Test. Suppl., 1828, pl. 5, fig. 5.

*zietzi* Verco, T.R.S. S.A., XXIX, 1905, p. 166, pl. 31, figs. 1-3.

*incerta* Reeve (*Zizyphinus*) Conch. Icon. XIV, 1863, pl. 5, fig. 28.

*Cantharidus* Montfort

*kingensis* Gabriel antea page.

*Astele* Swainson

*subcarinata* Swainson, P.R.S. van Diemen's Land, III, 1854, p. 36, pl. 6, figs. 1, 2.

*Minolia* Adams

*tasmanica* Ten. Woods, [*Margarita* (*Minolia*)] P.R.S. Tas., 1877, p. 143, No. 33.

*Herpetopoma* Pilsbry

*aspersa* Philippi, (*Trochus*) Zeit. Fur. Malak, III, 1846, p. 103 = *Euchelus baccatus* Menke (preocc).



## Family PHASIANELLIDAE

*Phasianella* Lamarck

*rosea* Angas, (*Eutropia*) P.Z.S. Lond., 1867, p. 114, pl. 13, fig. 24.

## Family LIOTIIDAE

*Argalista* Iredale

*rosea* Tenison Woods, (*Monilea*) P.R.S. Tas., 1876, p. 154.

*Charisma* Hedley

*josephi* Tenison Woods (*Cyclostrema*) P.R.S. Tas., 1877, p. 147.

*Cirsonella* Hedley

*weldii* Tenison Woods, (*Cyclostrema*) P.R.S. Tas., 1876 (1877), p. 147.

*Elachorbis* Iredale

*harriettae* Petterd (*Cyclostrema*) Journ. of Conch., IV, 1884, p. 141.

*Liotina*

*tasmanica* Tenison Woods, (*Liotia*) P.R.S. Tas., 1875 (1876), p. 153.

*subquadrata* Tenison Woods, (*Liotia*) P.L.S.N.S.W., II, 1878, p. 236.

## Family TURBINIDAE

*Bellastraea* Iredale

*squamifera* Koch, (*Trochus*) Abbild und. Besch., neuer Conch., 1844, pl. 4, fig. 9  
= *fimbriata* Lamarck (preoce).

## Family RISSOIDAE

*Estea* Iredale

*kershawi* Tenison Woods, (*Rissoina*) P.R.S. Vic., XIV, 1877, p. 57.

*tumida* Tenison Woods, (*Diala*) P.R.S. Tas., 1876, p. 147.

*bicolor* Petterd (*Rissoa*) Journ. of Conch., IV, No. 5, 1884, p. 137, No. 10.

*subfusca* Hutton, (*Rissoa*) Cat. N.Z. Moll., 1873, p. 28.

*microcosta* May, P.R.S. Tas., 1919, p. 61, pl. 15, fig. 12.

*hoggartae* Gabriel, antea page.

*Botelloides* Strand

*bassianus* Hedley (*Onoba*) Zool. Com. Trawler Endeavour, I, 1911, pt. 1, p. 108,  
pl. 19, fig. 25.

*Merelina* Iredale

*hulliana* Tate [*Rissoa* (*Alvania*)] T.R.S.S.A., XXIII, 1899, p. 235.

*gracilis* Angas, (*Alvania*) P.Z.S. Lond., 1877, p. 174, pl. 26, fig. 16.

*Haurakia* Iredale

*descrepans* Tate and May (*Rissoa*) T.R.S.S.A., XXIV, 1900, p. 99.

*Dardanula* Iredale

*flammea* Frauenfeld (*Sabanaea*) Novara Exped. Moll. VI, 1868, p. 12, pl. 2, fig. 18.

*aurantiocincta* May, P.R.S. Tas., 1915, p. 96, pl. 6, fig. 33.

*difficilis* Gabriel, antea page.

*Notosetia* Iredale

*pertranslucida* May (*Rissoa*) P.R.S. Tas., 1912, p. 48.

*Scrobs* Watson

Sp. ?.

*Notoscrobs* Powell

*triangulus* May, P.R.S. Tas., 1915, p. 95, pl. 6, fig. 32.

Family RISSOINIDAE

*Rissoinia* d'Orbigny

*elegantula* Angas, P.Z.S. Lond., 1880, p. 417, pl. 40, fig. 10.

*d'orbignyi* A. Adams, P.Z.S. Lond., 1851, p. 265.

*rhylensis* Gatliff and Gabriel, P.R.S. Vic., XXI, 1908, N.S. p. 367, pl. 21, fig. 8.

Family TURRITELLIDE

*Turritella* Lamarck

Sp. ?.

Family TRICHOTROPIDAE

*Crossea* Adams

*labiata* Tenison Woods P.R.S. Tas., 1876, p. 151.

Family VERMETIDAE

*Vermicularia* Lamarck

*flava* Verco, T.R.S.S.A., XXXI, 1907, p. 214, fig. 1 in text.

*Siliquaria* Bruguiere

*australis* Quoy and Gaimard, "Astrolabe" Zool., III, 1834, p. 302.

*Serpulorbis* Sasso

*sipho* Lamarck (*Serpula*) Anim. sans Vert., V., 1818, p. 367.

Family CERITHIIDAE

*Cacozeliana* Strand

*granarium* Kiener, (*Cerithium*) Icon. Coq. Viv., 1842, p. 72, pl. 19, fig. 3.

Sp. ?.

*Ataxocerithium* Tate

*serotinum* A. Adams, (*Cerithium*) Thes. Conch., II, 1855, p. 861, pl. 180, fig. 102.

*Hypotrochus* Cotton

*monachus* Crosse and Fischer, (*Cerithium*) Journ. de Conch. 1864, p. 347, Id. 1865, p. 45, pl. 3, fig. 17.

Family CERITHIOPSIDAE

*Zaclys* Finlay

*angasi* Semper (*Cerithiopsis*) Cat. V. Mus. Godeffroy V, 1874, p. 108.

*semilaevis* Tenison Woods (*Bittium*) P.R.S. Vic., 1877, p. 58.

*dannevigi* Hedley, Zool. Commonwealth trawler "Endeavour" 1, 1911, p. 109, pl. 19, figs. 26, 27.



## Family TRIPHORIDAE

*Notosinister* Finlay

- festiva* A. Adams, (*Triphorus*) P.Z.S. Lond., 1851, p. 278.  
*granifera* Brazier, (*Triphora*) P.L.S.N.S.W., XIX, 1894, p. 173, pl. 14, fig. 10.  
*pfeifferi* Crosse and Fischer, (*Triphoris*) Journ. de Conch., XIII, 1865, p. 47, pl. I, figs. 14, 15.

*Cautor* Finlay

- maculosa* Hedley, (*Triphora*) P.L.S.N.S.W., XXVII, 1903, p. 614, pl. 32, figs. 32, 33.

*Teretripchora* Finlay

- angasi* Crosse and Fischer (*Triphora*) Journ. de Conch., XIII, 1865, p. 46, pl. 1, figs. 12, 13.  
*cinerea* Hedley (*Triphora*) P.L.S. N.S.W., XXVII, 1903, p. 612, pl. 33, figs. 36, 37.

*Isotrophora* Cotton and Godfrey

- tasmanica* Tenison Woods. (*Triforis*) P.R.S. Tas., 1876, p. 151.  
 Sp. ?.  
 Sp. ?.

## Family SCALIDAE

*Scala* Bruguiere

- translucida* Gatliff, P.R.S. Vic., XIX, 1906, (N.S.) P. 2, figs. 3, 4.

## Family STROMBIFORMIDAE

*Strombiformis*

- Sp. ?.

*Melanella* Bowdich

- commensalis* Tate, (*Eulima*) T.R.S.S.A., XXII, 1898, pt. 1, p. 82, pl. 4, fig. 2.

## Family PYRAMIDELLIDAE

*Syrnola* A. Adams

- Sp. ?.

## Family HIPPONICIDAE

*Antisabia* Iredale

- foliacea* Quoy and Gaimard, (*Hipponyx*) Voy. "Astrolabe", Zool, III, p. 439, pl. 72, figs. 41-45.

## Family NATICIDAE

*Quantonatica* Iredale

- subcostata* Tenison Woods (*Natica*) P.L.S.N.S.W., II, 1878, p. 263.

## Family TRIVIIDAE

*Ellatrivia* Iredale

- merces* Iredale, (*Trivia*) P.L.S.N.S.W., XLIX, 1924, p. 257, pl. 35, figs. 16, 17.

## Family CYMATIIDAE

*Cymatiella* Iredale

*verrucosa* Reeve, (*Triton*) P.Z.S. Lond., 1844, p. 118.

*Ratifusus* Iredale

*bednalli* Brazier, [*Triton* (*Epidromus*)] P.L.S.N.S.W., I, 1875, p. 6.

## Family MURICIDAE

*Murexsul* Iredale

*brazieri* Angas (*Murex*) P.Z.S. Lond., 1877, p. 171, pl. 26, fig. 3.

*Pteronotus* Iredale

*triformis* Reeve, (*Murex*) P.Z.S. Lond., 1845, p. 87.

*Benthoxystus* Iredale

*petterdi* Crosse, (*Trophon*) Journ. de Conch., XVIII, 1870, p. 303.

*Litozamia* Iredale

*brazieri* Tenison Woods (*Trophon*) P.R.S. Tas., 1875, p. 136.

*Bedeia* Iredale

Sp. ?.

## Family PYRENIDAE

*Zemitrella* Finlay

*menkeana* Reeve, (*Columbella*) Conch. Icon, XI, 1858, pl. 14, figs. 69 a. b.

*tenebrica* Reeve, (*Columbella*) Conch. Icon, XI, 1858, pl. 31, fig. 204.

*Macrozafra* Finlay

*legrandi* Tenison Woods, (*Columbella*) P.R.S. Tas., 1876, p. 152.

*angasi* Brazier, (*Columbella*) P.Z.S. Lond., 1871, p. 322.

*atkinsoni* Tenison Woods, (*Mangelia*) P.R.S. Tas., 1875, p. 141.

*lurida* Hedley, (*Pyrene*) P.L.S.N.S.W., XXXII, 1907, p. 510, pl. 17, fig. 19.

*smithi* Angas (*Columbella*) P.Z.S. Lond., 1877, p. 172, pl. 26, fig. 7.

*Retizafra* Hedley

*calva* Verco, (*Pyrene*) T.R.S.S.A. XXXIV, 1910, p. 143, pl. 29, fig. 2, 3.

*Aesopus* Gould

*gatliffi* Verco, (*Mangilia*) T.R.S.S.A. XXXIII, 1909, p. 312, pl. 28, fig. 9.

## Family OLIVIDAE

*Baryspira* Fischer

*marginata* Lamarck (*Ancillaria*) Ann. du. Mus. XVI, 1810, p. 304.

## Family MITRIDAE

*Austromitra* Finlay

*scalariformis* Tenison Woods, (*Mitra*) P.R.S. Tas., 1875, p. 140.

*bellapieta* Verco (*Mitra*) T.R.S.S.A., XXXIII, 1909, p. 337, pl. 25, fig. 1.

*Mitra* Bolten

Sp. ?.



## Family MARGINELLIDAE

*Marginella* Lamarck

- agapeta* Watson, Chall, Zool., XV, 1886, p. 266, pl. 16, fig. 9.  
*gabrielii* May, P.R.S. Tas., 1911, p. 386, pl. 13, fig. 9.  
*pisum* Reeve, Conch. Icon., XV, 1865, pl. 27, fig. 156.  
*problematica* Gatliff and Gabriel, P.R.S. Vic., XXIX, (N.S.) Pt. 1, 1916, p. 104, pl. 7, fig. 1.  
*pumilio* Tate and May, P.L.S.N.S.W., 1901, p. 363, pl. 26, fig. 79.  
*subauriculata* May, P.R.S. Tas., 1915, p. 86, pl. 2, fig. 7.  
*turbinata* Sowerby, Thes. Conch., I, 1846, p. 385, pl. 75, fig. 70.  
Sp. ?.

## Family TURRIDAE

*Austrodrillia* Hedley

- saxea* Sowerby, (*Drillia*) P. Mal. Soc. Lond., II, 1896, p. 25, pl. 3, fig. 4.

*Etrema* Hedley

- denseplicata* Dunker, (*Pleurotoma*) Mal. Blatt., XVIII, 1871, p. 159.  
*bicolor* Angas, (*Clathurella*) P.Z.S. Lond., 1871, p. 18, pl. 1, fig. 20.

*Asperdaphne* Hedley

- bastowi* Gatliff and Gabriel (*Daphnella*) P.R.S. Vic., XXI 1908, p. 365, pl. 21, figs. 1-4.  
*perplexa* Verco (*Daphnella*) T.R.S.S.A., XXXIII, 1909, p. 323, pl. 28, figs. 1, 2.  
*sculptilis* Angas (*Clathurella*) P.Z.S. Lond., 1871, p. 17, pl. 1, fig. 19.

*Nepotilla* Hedley

- minuta* Tenison Woods, (*Drillia*) P.R.S. Tas., 1876 (1877), p. 136.  
*lamellosa* Sowerby, (*Clathurella*) P. Mal. Soc. Lond., II, 1896, p. 28, pl. 3, fig. II.

*Mitrithara* Hedley

- macphersonae* Gabriel, antea page.  
*bassiana* Gabriel, antea page.

*Guraleus* Hedley

- delicatulus* Tenison Woods, (*Mangelia*) P.R.S. Tas., 1878 (1879), p. 37.  
Sp. ?.

*Exomilus* Hedley

- telescopialis* Verco (*Drillia*) T.R.S. S.A., XX, 1896, p. 222, pl. 7, figs. 1a, b.

*Daphnella*

- Sp. ?.

## Family CONIDAE

*Parviconus* Cotton and Godfrey

- rutilus* Menke (*Conus*) Moll. Nov. Holl., 1843, p. 27, No. 133.

## Family RETUSIDAE

*Cylichnina* Monterosato

- pygmaea* A. Adams, [*Bulla* (*Cylichna*)] Thes. Conch., II, 1854, p. 595, pl. 125, fig. 150.

CREPIPODA

Family CHITONIDAE

*Rhyssoplax* Thiele

*bednalli* Pilsbry, (*Chiton*) Nautilus, IX, 1895, p. 90.

*calliozona* Pilsbry, (*Chiton*) Nautilus VIII, 1894, p. 55.

*tricastalis* Pilsbry, (*Chiton*) Nautilus VIII, 1894, p. 54.

*Terenochiton* Iredale

Sp. ?.

PELECYPODA

Family LEDIDAE

*Scacoleda* Iredale

*dohrni* Hanley, (*Leda*) P.Z.S. Lond., 1861, p. 242.

Family ARCIDAE

*Arca* Linnaeus

*pietachia* Lamarck, Anim. S. Vert., VI, 1819, p. 41.

*squamosa* Lamarck, Anim. S. Vert., VI, pt. 1, p. 45, No. 35.

Family LIMOPSIDAE

*Limopsis* Sasso

*tenisoni* Ten. Woods, P.R.S. Tas., 1878, p. 56.

*Lissarca* Smith

*rubricata* Tate, (*Limopsis*) T.R.S.S.A., IX, 1886, pp. 71, 104, pl. 5, fig. 6.

Family GLYCYMERIDAE

*Glycymeris* Da Costa

(*Pectunculus*) *flabellatus* Ten. Woods, P.R.S. Vic., 1878, p. 61.

(*Tucetilla*) *mayi* Cotton, Rec. S.A. Mus., VIII, No. 4, 1947, p. 659, pl. 20, figs. 18, 19.

Family PTERIIDAE

*Electroma* Stolickza

*georgiana* Quoy and Gaimard (*Avicula*) Voy. "Astrolabe", Zool., III, 1835, p. 457, pl. 77, figs. 10, 11.

Family PECTINIDAE

*Chlamys* Bolten

(*Aequipecten*) *asperimus* Lamarck, (*Pecten*) Anim. s. Vert, VI, 1819, p. 174.

(*Camptonectes*) *aktinos* Petterd, (*Pecten*) R.A. Tas., 1886, p. 320.

(*Camptonectes*) *famigerator* Iredale, (*Chlamys*) Rec. Aust. Mus., XIV, 1925, p. 252, pl. 41, figs. 1, 2.

*Cyclopecten*

*favus* Hedley, Mem. Aust. Mus. IV, 1902, p. 305, fig. 50.



## Family LIMIDAE

*Limatula* Wood

*bullata* Born, (*Ostrea*) Mus. Caes. Vindobon, 1780, p. 110, pl. 6, fig. 8.

## Family MYTILIDAE

*Modiolus* Lamarck

*areolatus* Gould, (*Modiola*) P. Bost. Soc. Nat. Hist., III, 1850.

*Musculus* Bolten

*barbatus* Reeve, (*Lithodomus*) Conch. Icon., 1858, X, No. 27, pl. 5, fig. 27.

*radians* Suter (*Dacrydium*) T.N.Z.I., XL, 1908, p. 355, pl. 27, fig. 11.

## Family CUSPIDARIIDAE

*Cuspidaria* Nardo

*tasmanica* Ten. Woods, (*Neaera*) P.R.S. Tas., 1875 (1876), p. 27.

## Family CRASSATELLIDAE

*Talabrica* Iredale

*aurora* Adams and Angas, (*Crassatella*) P.Z.S. Lond., 1863, p. 426, pl. 37, fig. 15.

*Salaputium* Iredale

*micrum* Verco, (*Crassatella*) T.R.S.S.A., 1895, p. 93, pl. 1, fig. 3.

*Cuna* Hedley

(*Hamacuna*) *hamata* Hedley and May, Rec. Aust. Mus., VII, 1908, p. 124, pl. 25, figs. 33-36.

(*Propecuna*) *obliquissima* Tate, (*Cardita*) T.R.S.S.A., IX, 1887, p. 70, pl. 5, fig. 9.

## Family CYAMIIDAE

*Cyamiomactra* Bernard

*mactroides* Tate and May, (*Cyamium*) T.R.S.S.A., XXIV, 1900, p. 102.

## Family CARDITIDAE

*Cardita* Bruguiere

*calyculata* Linnaeus, (*Chama*) Syst. Nat. X, 1758, p. 692.

*Venericardia* Lamarck

*quoyi* Deshayes, (*Cardita*) P.Z.S. Lond., 1852, p. 103.

*amabilis* Deshayes, (*Cardita*) P.Z.S. Lond., 1852, p. 102, pl. 17, figs. 8, 9.

*bimaculata* Deshayes, (*Cardita*) P.Z.S. Lond., 1852, p. 102, pl. 17, figs. 4, 5.

*calva* Tate, (*Cardita*) T.R.S.S.A., IX, 1887, p. 189, pl. 20, fig. 14.

*columnaria* Hedley and May, Rec. Aust. Mus., VII, 1908, p. 125, pl. 25, figs. 37-40.

*Carditellopsis* Iredale

*elegantula* Tate and May, (*Carditella*) P.L.S.N.S.W., XXVI, 1901, p. 463, fig. 14 in text.

## Family CONDYLOCARDIA

*Condylocardia* Bernard

*subradiata* Tate, (*Carditella*) T.R.S.S.A., XI, 1888, p. 62, pl. 11, fig. 7.

## Family ERYCINIDAE

*Marikellia* Iredale

*rotunda* Deshayes, (*Erycina*) P.Z.S. Lond., 1855, p. 181.

## Family GALEOMMATIDAE

*Solecardia* Conrad

*cryptozoica* Hedley, P.L.S.N.S.W., XLI, 1917, p. 684, pl. 51, fig. 40.

## Family CARDIIDAE

*Cardium* Linnaeus

*pulchellum* Gray, in Dieffenbach New Zealand II, 1843, p. 252.

## Family VENERIDAE

*Chioneryx* Iredale

*cardioides* Lamarck, (*Erycina*) Anim. s. Vert. V, 1818, p. 486.

*Tawera* Marwick

*gallinula* Lamarck, (*Venus*) Anim. s. Vert. V., 1818, p. 592, No. 25.

*Dosinia* Scopoli

*victoriae* Gatliff and Gabriel, P.R.S. Vic., XXVII, 1914, (N.S.) p. 96, pl. 16, figs. 17-19.

## Family HIATELLIDAE

*Hiatella* Daudin

*australis* Lamarck, (*Corbula*) Anim. s. Vert., V, 1818, p. 495.





